KLABS MICROPROCESSOR pH METER

Research Grade (5 Point Calibration)

Product Description

The KLABS Microprocessor pH Meter is a research-grade laboratory instrument designed for precise measurement of pH, mV, and Temperature. Equipped with advanced microprocessor technology, graphical LCD display, and automatic buffer recognition, the instrument ensures high accuracy, stability, and ease of operation for laboratory, research, pharmaceutical, educational, and industrial applications.

Features

- Measures pH, mV and Temperature
- 5 Point Calibration Facility
- 128 × 64 Dots Graphical LCD Display
- Auto Buffer Recognition Facility
- Storage Capacity up to 1000 Samples
- PC Connectivity through USB Interface
- High Accuracy and Stability
- User Friendly Operation
- Research Grade Performance

Application/Uses

- Research Laboratories
- Pharmaceutical Industry
- Educational Institutions
- Quality Control Laboratories
- Environmental Testing Laboratories
- Food & Beverage Industry
- Chemical Laboratories
- Industrial Process Monitoring

Technical Specifications

Parameter	Specification
Product Name	Microprocessor pH Meter
Brand	KLABS
Model	KL-PH501
pH Range	-2.000 to 20.000 pH
pH Resolution	Selectable 0.1, 0.01, 0.001 pH
pH Accuracy	± 0.002 pH ± 1 Digit
Display	128 × 64 Dots Graphical LCD
Calibration	Auto & Manual with 5 Point Calibration
Auto Buffer Recognition	1.680, 4.000, 7.000, 9.200 & 12.450 pH or User Defined
Relative Stability	± 0.002 pH/Hour
Temperature Compensation	-5 to 110°C Auto/Manual
mV Range	0 to ±1999.9 mV
mV Resolution	0.1 mV & 0.01 mV
mV Accuracy	± 0.1 mV ± 1 Digit
Temperature Range	-5 to 110°C
Temperature Resolution	0.1°C
Temperature Accuracy	± 0.1°C
Sensor Type	Semi Conductor Type
Power Supply	230V ±10% AC
Printer Interface	Serial Printer / USB

Accessories

- Rotational pH Electrode Stand
- pH Electrode
- Temperature Probe
- Buffer Capsules
- Software
- Power Adapter
- Instruction Manua